Introduction to Abstract Mathematics
Assignment 4.3 FALL 2013

Exercise 1. What amounts of money can be formed using only $\$ 2$ and $\$ 5$ bills? Be sure to prove your answer is correct!

Exercise 2. Consider an instance of the stable marriage problem in which there exists a man $m$ and a woman $w$ such that $m$ is ranked first by $w$, and $w$ is ranked first by $m$. Prove that every stable set of marriages in this instance contains the couple $m w$.

